IB Math Studies - Project Requirements

The project is a piece of written work based on personal research involving the collection, analysis and evaluation of data.

Each project must contain:

- a title
- a statement of the task
- measurements, information or data which has been collected and/or generated
- an analysis of the measurements, information or data
- an evaluation of the analysis
- a bibliography and footnotes, as appropriate.

Students can choose from a wide variety of project types, for example, modeling, investigations, applications and statistical surveys. Historical projects that reiterate facts but have little mathematical content are not appropriate and should be actively discouraged. Teachers should give guidance to students in choosing appropriate areas of study for their projects. As much as possible, these areas of study should relate to the students' own interests and, while mathematical in nature, they may be based in contexts such as sport, art, music, the environment, health, travel, trade and commerce.
In developing their projects, students should make use of mathematics learned as part of the course. The level of sophistication of the mathematics should be similar to that suggested by the syllabus. It is not expected that students produce work that is outside the mathematical studies SL syllabus, and they are not penalized if they produce such work.

Length

The project should not normally exceed **2,000** words, excluding diagrams, graphs, appendices and bibliography. However, it is the quality of the mathematics and the and the processes used and described that is important, rather than the number of words written.

Internal assessment criteria

The project is internally assessed by the teacher and externally moderated by the IBO using assessment criteria that relate to the objectives for group 5 mathematics.

Form of the assessment criteria

Each project should be assessed against the following seven criteria:

Criterion A Introduction
Criterion B Information/measurement
Criterion C Mathematical processes
Criterion D Interpretation of results
Criterion E Validity
Criterion F Structure and communication
Criterion G Commitment.